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residues, four of which form disulfide bonds. The sugar moiety of G-CSF is not required for full biological activity. *G-CSF*, Cytokines Online Pathfinder Encyclopedia ([www-copewithcytokines.de/](http://www.copewithcytokines.de/)). A particular therapeutic product is produced from mammalian cells, with 174 amino acids, the native N-terminus and mammalian-type O-glycosylation. Ono et al., 30A(3) EUR. J. CANCER S7-S11 (1994). A product is also produced from bacterial cells, with 175 amino acids, a non-native methionine at the N-terminus, and no glycosylation. PHYSICIAN'S DESK REFERENCE (2000).

IN THE CLAIMS:

Please cancel non-elected Claims 11, 12, 14-19, 21, and 23-90 without prejudice or disclaimer.

Please amend Claims 1, 91, and 92 as follows:

A2
1. (Amended) A method for producing a cytokine in a plant host system wherein said plant host system has been transformed with a nucleic acid sequence encoding said cytokine, comprising the steps of:

cultivating said transformed plant host system under the appropriate conditions to result in the expression of said cytokine in said plant host system

wherein said cytokine accumulates to a level greater than 1% of the total soluble protein in a sample of said plant host system.
